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# Product datasheet for RC203647L1V

## SETDB1 (NM_012432) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | SETDB1 (NM_012432) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | SETDB1 |
| **Synonyms:** | ESET; H3-K9-HMTase4; KG1T; KMT1E; TDRD21 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pLenti-C-Myc-DDK (PS100064) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_012432 |
| **ORF Size:** | 3870 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC203647). |
| **OTI Disclaimer:** | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| **OTI Annotation:** | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| **RefSeq:** | NM_012432.2, NP_036564.2 |
| **RefSeq Size:** | 4446 bp |
| **RefSeq ORF:** | 3873 bp |
| **Locus ID:** | 9869 |
| **UniProt ID:** | Q15047 |
| **Cytogenetics:** | 1q21.3 |
| **Domains:** | SET, MBD, TUDOR, PreSET, Pre-SET |
| **Protein Families:** | Druggable Genome |

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**Protein Pathways:** Lysine degradation

**MW:** 143 kDa

**Gene Summary:** This gene encodes a histone methyltransferase which regulates histone methylation, gene silencing, and transcriptional repression. This gene has been identified as a target for treatment in Huntington Disease, given that gene silencing and transcription dysfunction likely play a role in the disease pathogenesis. Alternatively spliced transcript variants of this gene have been described.[provided by RefSeq, Jun 2011]